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Appl. No. 10/774,166 Amdt. Dated January 10, 2006 Reply to Final Office action of 11-1-2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled) A method comprising:

providing a first wafer having a stack structure of a first base substrate, a layer of relaxed film, and a first layer of strained film,

depositing a layer of oxide onto the layer of strained film to provide an adhesion surface to the first wafer;

providing a second wafer, the second wafer being a silicon on insulation (SOI) wafer having a stack structure of a second base substrate and a layer of oxidized film;

attaching the first and second wafers; and

heating the first and second wafers at a first temperature to cause a silicon dioxide (SiO₂) adhesion of the first substrate to the second substrate.

- 2. (currently amended) The method of claim [[1]] 12 further comprising: implanting hydrogen onto the first wafer before depositing the layer of oxide onto the second layer of strained film to create an embrittled region in the layer of relaxed film.
- 3. (original) The method of claim 2 further comprising: heating the first and second wafers at a second temperature to delaminate the two wafers along the embrittled region to form the second wafer having the layer of relaxed film.
- 4. (original) The method of claim 3 further comprising:
 etching the relaxed film on the surface of the second wafer to expose the strained film.
- 5. (currently amended) The method of claim [[1]] 12 wherein the first and second base substrates are made of silicon material.

Docket No: 042390 P11362D

Appl. No. 10/774,166 Amdt. Dated January 10, 2006 Reply to Final Office action of 11-1-2005

6. (currently amended) The method of claim [[1]] 12 wherein the layer of relaxed film is a relaxed Silicon Germanium (SiGe) layer having a thickness in a range of approximately $0.1 \mu m$ to $3.0 \mu m$.

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- 7. (currently amended) The method of claim [[1]] 12 wherein the layer of oxide is deposited at a thickness range of approximately 50 to 3000A.
- 8. (original) The method of claim 2 wherein the hydrogen is implanted at an energy range of approximately 1 to 20keV.
- 9. (original) The method of claim 3 wherein the second temperature is higher than the first temperature.
- (original) The method of claim 3 wherein the first temperature is in a range of 10. approximately 100 °C to 300 °C.
- 11. (original) The method of claim 3 wherein the second temperature is in a range of 400 °C to 600 °C.
- (currently amended) The A method of claim I further comprising: 12. providing a first wafer having a stack structure of a first base substrate, a layer of relaxed film, and a first layer of strained film,

depositing a layer of oxide onto the layer of strained film to provide an adhesion surface to the first wafer;

providing a second wafer, the second wafer being a silicon on insulation (SOI) wafer having a stack structure of a second base substrate and a layer of oxidized film;

attaching the first and second wafers;

heating the first and second wafers at a first temperature to cause a silicon dioxide (SiO₂) adhesion of the first substrate to the second substrate; and

etching the first base substrate, and the layer of relaxed film to result in the strain of film on the surface of the SOI wafer.

Docket No: 042390.P11362D

Page 3 of 7

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Appl. No. 10/774,166 Amdt. Dated January 10, 2006 Reply to Final Office action of 11-1-2005

13. (original) The method of claim 12 wherein the etching of the first layer of strained film comprises wet etching the layer of relaxed film.

14-19. (canceled)

20. (withdrawn) A method comprising: forming a relaxed layer on a silicon layer; forming a strained layer on the relaxed layer; creating an embrittled region in one of the relaxed and strained layers; and transferring the strained layer to top of a wafer by heat treatment, the wafer having a base substrate and an oxidized film.

- 21. (withdrawn) The method of claim 20 wherein forming a relaxed layer comprises: forming a relaxed silicon germanium (SiGe) layer having a thickness in a range of 0.1 μm to 3.0 μm.
 - 22. (withdrawn) The method of claim 20 wherein creating comprises: creating the embrittled region by an ion implantation.
- 23. (withdrawn) The method of claim 20 wherein creating comprises: creating the embrittled region by an ion implantation using an energy range of approximately 1 keV to 20 keV.
- 24. (withdrawn) The method of claim 20 wherein creating comprises: creating the embrittled region by an ion implantation using a dose range of approximately 1E16/cm³ to 1E18/cm³.
- 25. (withdrawn) The method of claim 20 wherein transferring comprises:

 bonding the strained layer to the oxidized wafer by a first heat treatment in a range of approximately 100°C to 300°C; and

Docket No: 042390 P11362D

Appl. No. 10/774,166
Amdt. Dated January 10, 2006
Reply to Final Office action of 11-1-2005

separating the strained layer from the relaxed layer at the embrittled region by a second heat treatment in a range of approximately 400°C to 600°C.